DriveClone 10

Users' Manual

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Chapter 1: Introduction

DriveClone is designed to completely copy all files, applications and Windows system from one Hard Drive/SSD/Flash to another Hard Drive/SSD/Flash. You can easily clone your Hard Drive/SSD/Flash to a different size SSD drive (smaller or bigger) for better performance. DriveClone will automatically adjust and resize partitions during cloning process to reduce the process complications.

For all our valuable customers, we provides a Free to use, buy when satisfied service model. This means that our 14 days trial version is a complete software with all its features available; Feel free to clone and upgrade your disks, just don't forget to purchase once you're satisifed with our product.

Chapter 2: Install and uninstall DriveClone

2.1 System Requirement

Desktop or notebook computer running

Windows® XP (32-bit & x64)
Windows® Vista (32-bit & 64-bit)
Windows® 7 (32-bit & 64-bit)
Windows® 8 (32-bit & 64-bit)

Server computer running

Windows® Server 2003 (32-bit & x64)
Windows® Server 2008 (32-bit & x64)
Windows® Server 2012 (32-bit & x64)

1GB or more RAM

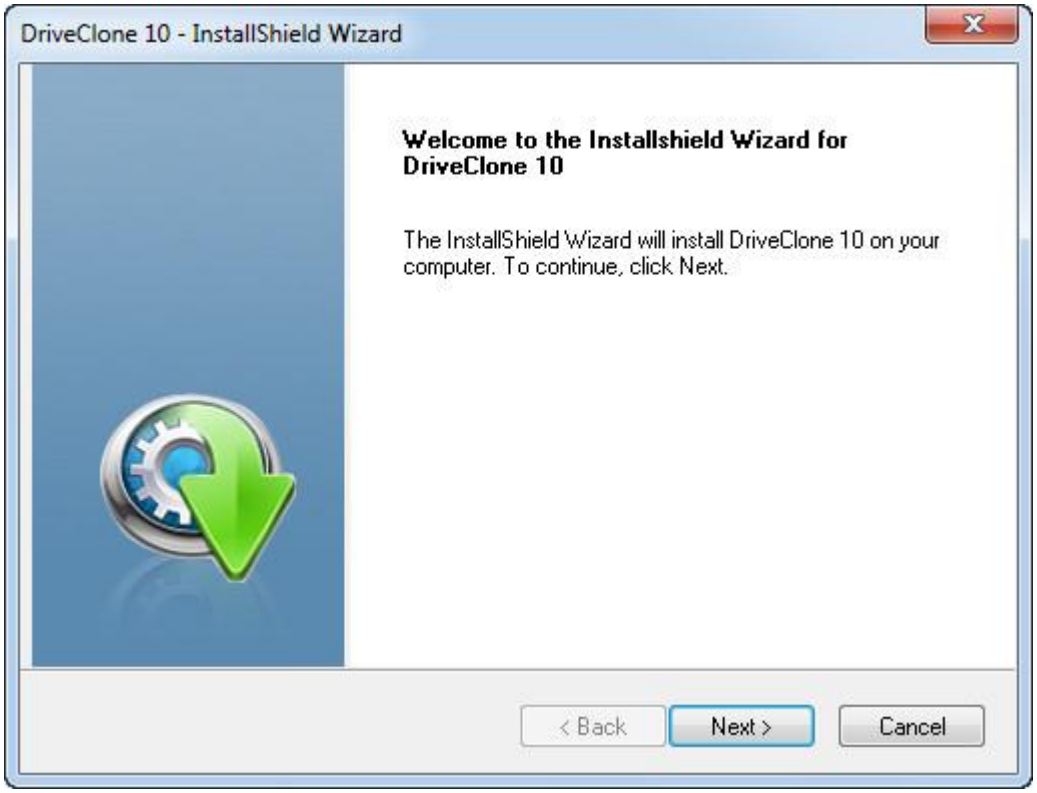
2.2 Installing DriveClone

If you purchased a CD:

Insert the CD into your CD-ROM drive. The setup program should start automatically. If it doesn't, browse the CD and double-click on the **Setup.exe**. Follow the prompts displayed to finish installation.

If you purchased an electronic download:

Save the executable file to the hard drive. Double-click the file to launch DriveClone installer. Follow the prompts displayed to finish installation.


DriveClone 10 - InstallShield Wizard
Welcome to the Installshield Wizard for DriveClone 10
The InstallShield Wizard will install DriveClone 10 on your computer. To continue, click Next.
< Back
Next >
Cancel

1. Double click **Setup**, the above interface will pop up. Then click **Next**.

2. Carefully read the software license agreement. once you accepted, select **I accept the terms of the license agreement**, and click **Next**.

3. Enter your User Name, Company Name and Serial Number, and then click **Next**.

4. Click **Install** to install to the default folder, or click **Change** to select another location.

5. Click **Finish** to complete the installation.

2.3 Uninstalling DriveClone

1. From the Windows Start menu, select **Start -> Control Panel -> Programs**.

2. Double-click **Programs and Features**.

3. Select **DriveClone 10**, and click **Uninstall** to begin uninstalling the associated component.

Chapter 3: Start Using DriveClone

For individual users, there are two ways to begin the cloning process:

1. Clone through USB enclosure (adapt to laptop and desktop)

Put Hard Drive/SSD/Flash into the USB enclosure, and clone with **DriveClone 10**. Once finished, configure the cloned Hard Drive/SSD/Flash into the target computer.

2. Clone through connecting line (adapt to desktop)

Open computer case, use two connecting lines (IDE/SATA etc.) to connect external Hard Drive/SSD/Flash to the computer, and then clone with DriveClone 10. Once finished, configure the cloned Hard Drive/SSD/Flash into the target computer.

3.1 Main Console

Double click icon

to start **DriveClone 10.**

DriveClone™10 Workstation
Help
Welcome WIN-CRK8847F3D6
FARSTONE
Total Backup Recovery
Home
Cloned Drive(s)
VMware Virtual S(F:)
Clone Drive/Partition(s)
Clone the contents of a hard drive/SSD.
Mirror Drive
Incremental cloning to quickly mirror and protect contents of your hard drive from disasters.
Advanced Settings
Configure Smart Cloning, Defrag Cloning, Dissimilar Cloning and other advanced features.
Clone/Convert to VM files
Convert hard drive to VMware and Hyper-v virtual files.
Free FarStone Total Backup Recovery

3.2 Clone Drive/Partition(s)

Clone Drive/Partition(s) duplicates one hard drive or SSD to another hard drive or

SSD, and it is immediately bootable. It eliminates the need to re-installing the operating system, drivers and applications when upgrading to a new hard drive or SSD with only a few mouse clicks.

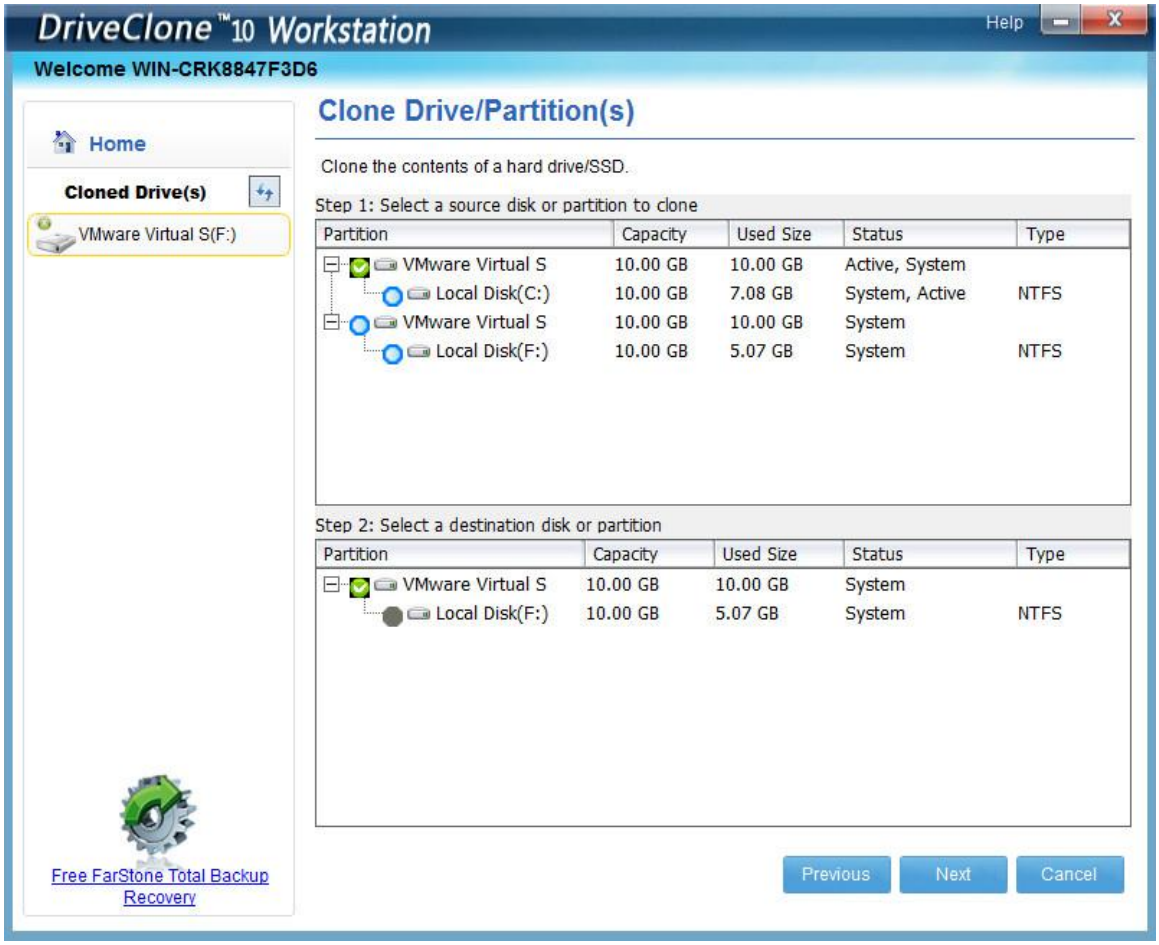
Tip

To use this function; you will need at least two hard drives on the computer.

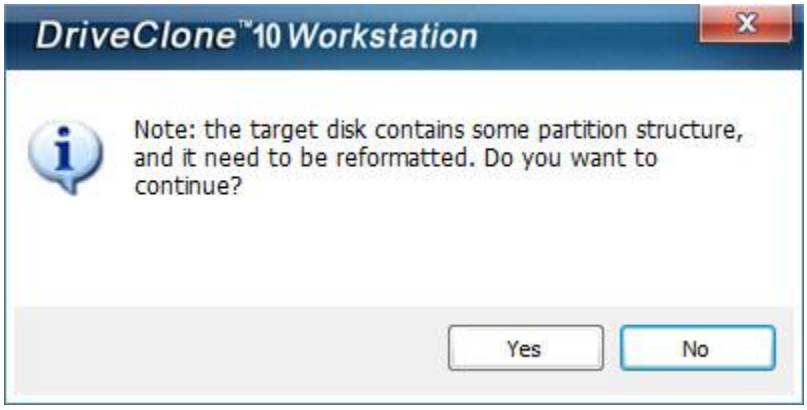
The target hard drive should have enough space to store the data of source hard drive.

1. Click **Clone Drive/Partition(s)**.

2. Select a Source Disk/Partition (top pane) and then a Destination Disk/Partition (bottom pane).



3. Click **Next** to continue, then following window will pop up:


DriveClone™10 Workstation
Note: the target disk contains some partition structure, and it need to be reformatted. Do you want to continue?
Yes
No

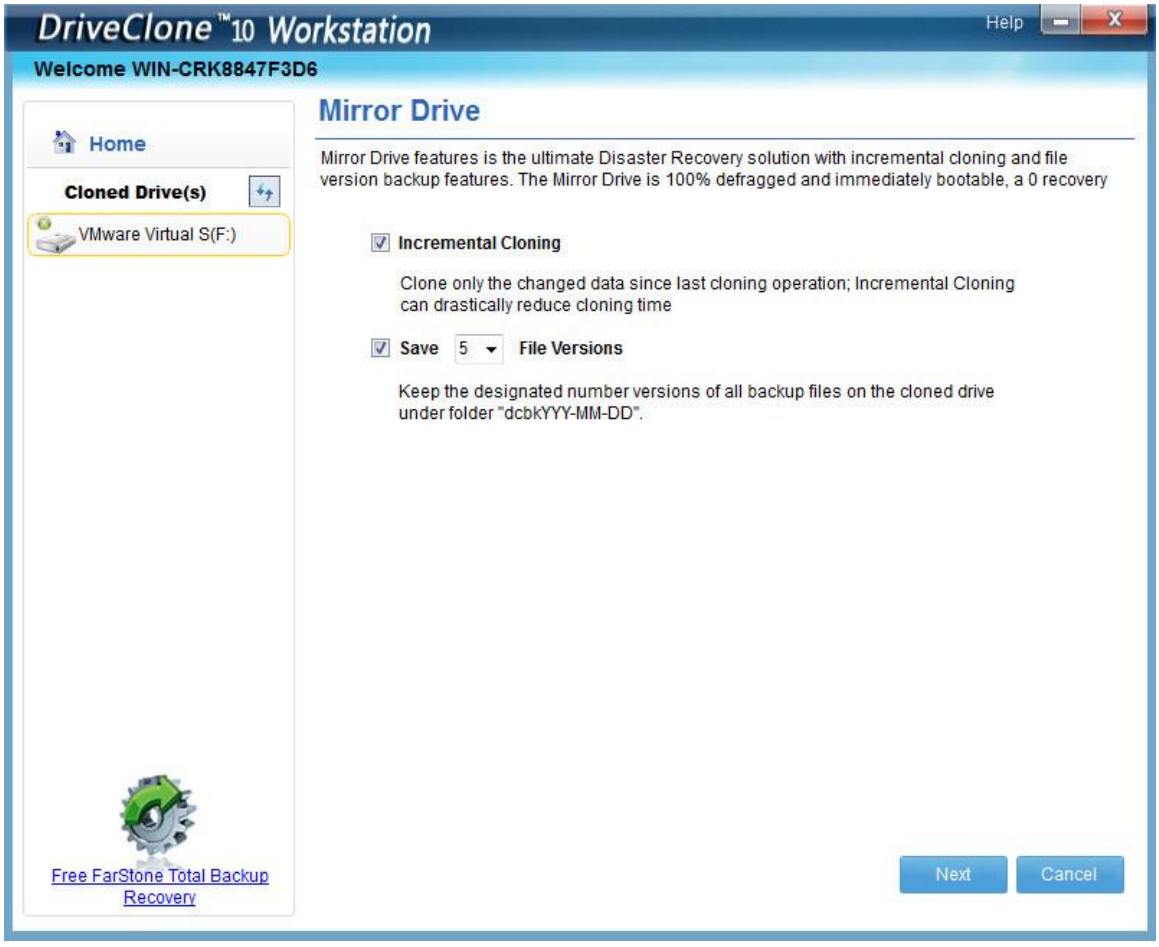
4. Click **Yes** to continue.

5. After confirming your selections, click **Start** to proceed or **Previous** to modify settings.

6. Click **Finish** to complete the cloning process.

3.3 Mirror Drive

Mirror Drive allows you to run an incremental cloning of a mirrored drive and set file versions keeping rules.

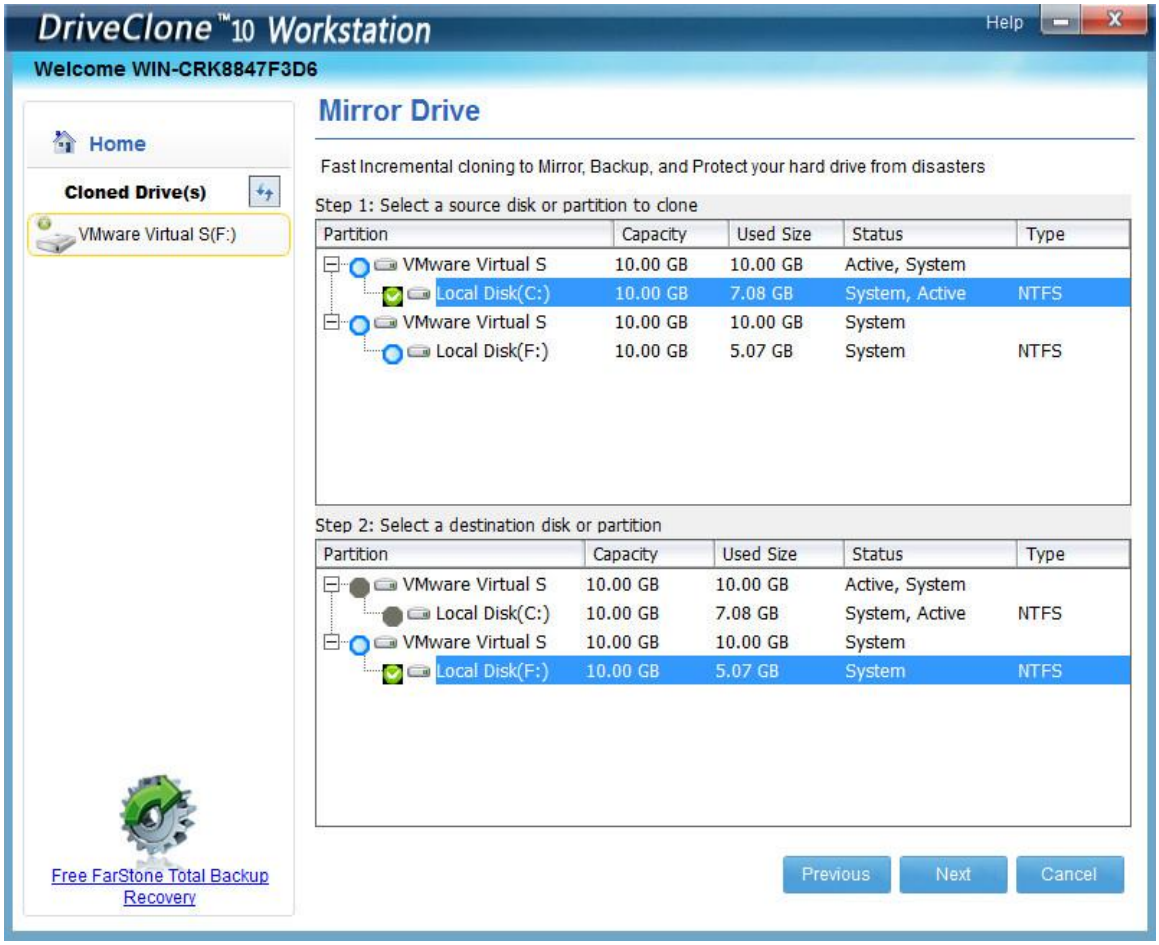

DriveClone™10 Workstation
Help
Welcome WIN-CRK8847F3D6
Home
Cloned Drive(s)
VMware Virtual S(F:)
Mirror Drive
Mirror Drive features is the ultimate Disaster Recovery solution with incremental cloning and file version backup features. The Mirror Drive is 100% defragged and immediately bootable, a 0 recovery
Incremental Cloning
Clone only the changed data since last cloning operation; Incremental Cloning can drastically reduce cloning time
Save 5 File Versions
Keep the designated number versions of all backup files on the cloned drive under folder "dcbkYYY-MM-DD".
Free FarStone Total Backup Recovery
Next
Cancel

Incremental Cloning: Check this function on your own needs to run an incremental cloning which would only take a few minutes.

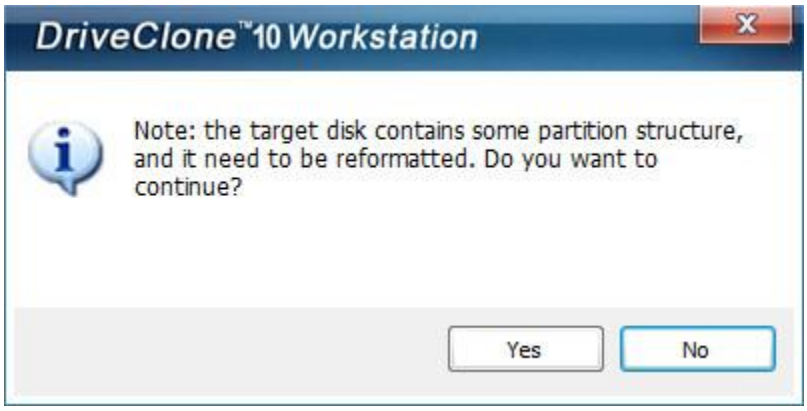
Save ( ) File Versions: Choose to set copies of old files that you would like to save in a folder named "dcbkYYYY-MM-DD", this folder was created antomatically once an incremental clone was executed to save old files.

1. Cick **Next** after checking incremental cloning and save file versions.

2. Select a Source Disk/Partition (top pane) and then a Destination Disk/Partition (bottom pane).


DriveClone™10 Workstation
Help
Welcome WIN-CRK8847F3D6
Home
Cloned Drive(s)
VMware Virtual S(F:)
Mirror Drive
Fast Incremental cloning to Mirror, Backup, and Protect your hard drive from disasters
Step 1: Select a source disk or partition to clone
Partition | Capacity | Used Size | Status | Type
VMware Virtual S | 10.00 GB | 10.00 GB | Active, System
Local Disk(C:) | 10.00 GB | 7.08 GB | System, Active | NTFS
VMware Virtual S | 10.00 GB | 10.00 GB | System
Local Disk(F:) | 10.00 GB | 5.07 GB | System | NTFS
Step 2: Select a destination disk or partition
Partition | Capacity | Used Size | Status | Type
VMware Virtual S | 10.00 GB | 10.00 GB | Active, System
Local Disk(C:) | 10.00 GB | 7.08 GB | System, Active | NTFS
VMware Virtual S | 10.00 GB | 10.00 GB | System
Local Disk(F:) | 10.00 GB | 5.07 GB | System | NTFS
Free FarStone Total Backup Recovery
Previous
Next
Cancel

3. Click **Next** to continue, then following window will pop up:


DriveClone™10 Workstation
Note: the target disk contains some partition structure, and it need to be reformatted. Do you want to continue?
Yes
No

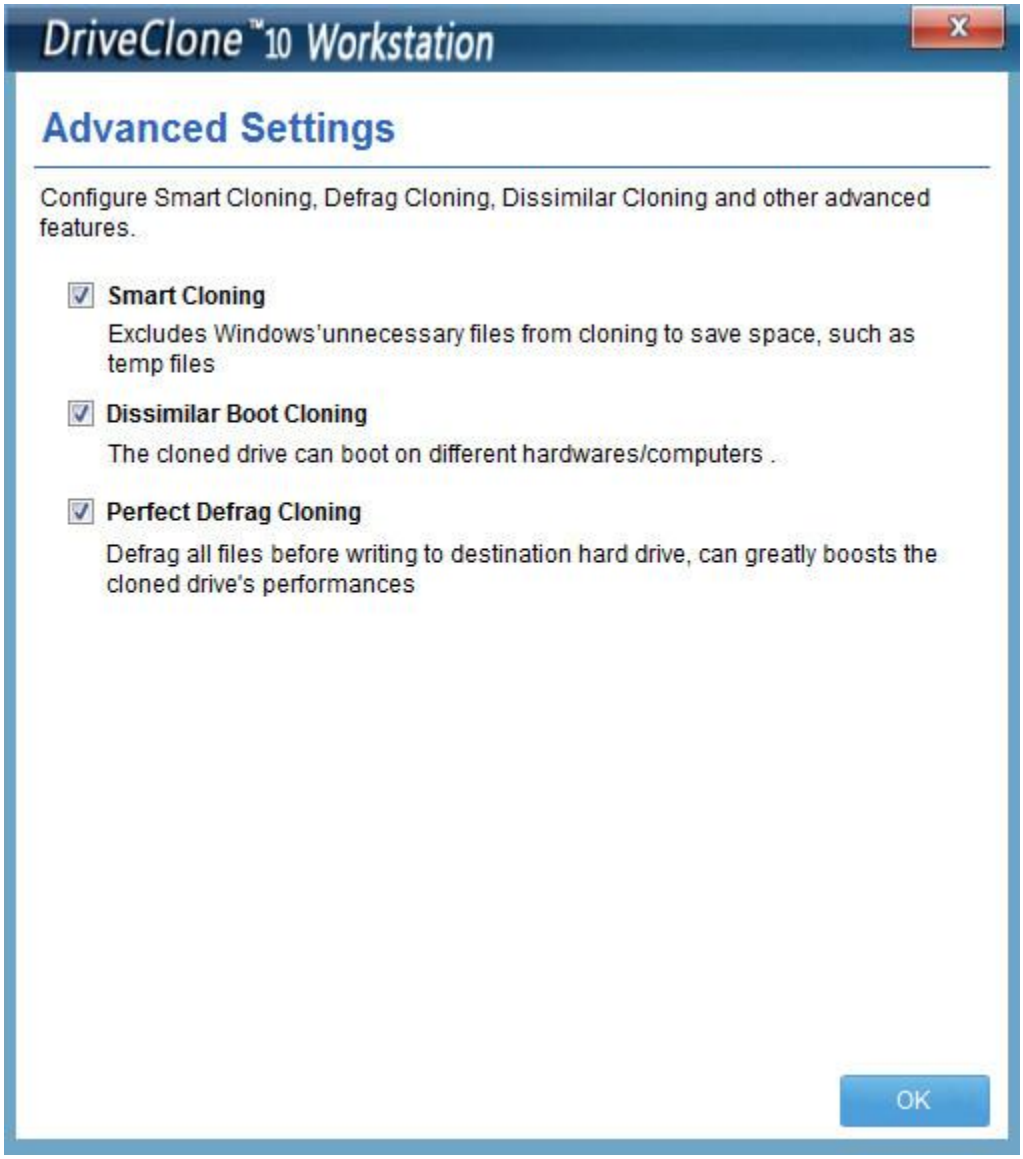
4. Click **Yes** to continue.

5. After confirming your selections, click **Start** to proceed or **Previous** to modify settings.

6. Click **Finish** to complete the cloning process, and run an incremental cloning thereafter at **Cloned Drive(s)** column.

3.4 Advanced Settings

You can configure smart cloning, defrag cloning and dissimilar cloning here.


DriveClone™10 Workstation
Advanced Settings
Configure Smart Cloning, Defrag Cloning, Dissimilar Cloning and other advanced features.
Smart Cloning
Excludes Windows'unnecessary files from cloning to save space, such as temp files
Dissimilar Boot Cloning
The cloned drive can boot on different hardwares/computers .
Perfect Defrag Cloning
Defrag all files before writing to destination hard drive, can greatly boosts the cloned drive's performances
OK

Smart Cloning: With this function, redundant Windows data, such as browser's temporary file, Windows caching swapping files, Windows hibernation and temp files, etc, could be exclueded during cloning for making cloning faster.

Dissimilar Boot Cloning: Choose to check it so that the cloned drive can be bootable on different computers.

Perfect Defrag Cloning: Defrag all files before cloning to the destination hard drive, boosts the cloned drive's performance 20% faster.

3.5 Clone/Convert to VM files

Convert a hard drive or partition to virtual format, such as Microsoft VHD, or VMWare VMDK.

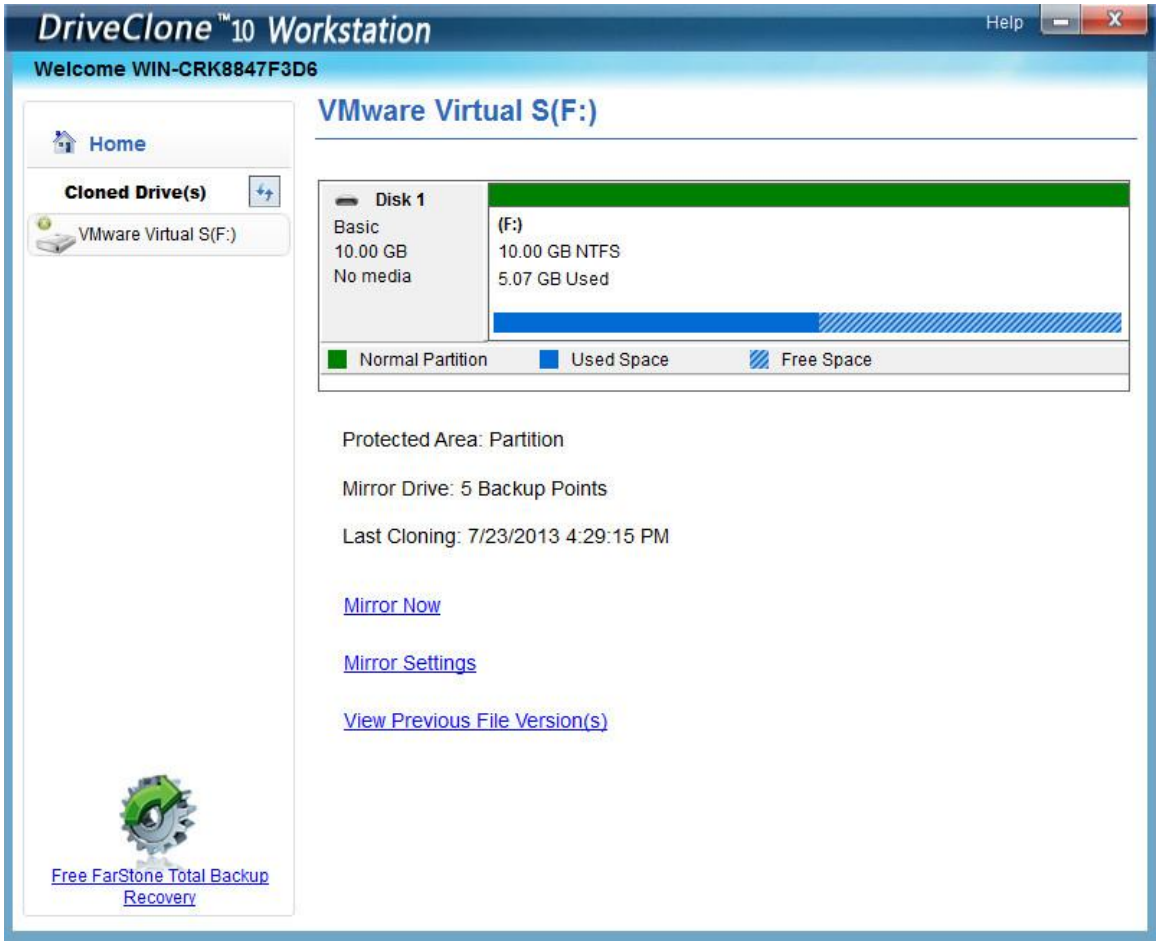
1. Select a source disk or partition needed to be converted, then choose wanted virtual format and a storage path, click **Next** to continue.

2. After confirming your selections, click **Start** to proceed or **Previous** to change selection.

3. Click **Finish** to complete the converting process.

3.6 Cloned Drives

Once a drive or partition was cloned at **Mirror Drive** column successfully, this job will be listed under **Cloned Drive(s)** column. Click that cloned drive or partition to run mirror drive.



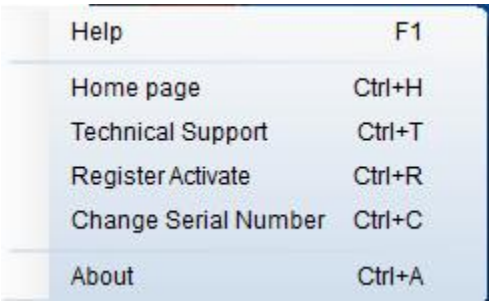
Mirror Now: Click here to run an incremental cloning (only clone chaned files) immediately.

Mirror Settings: Click here to configure incremental clonding and legacy files keeping rules.

View Previous File Version(s): Click here to check saved history files.

3.7 Help Menu

The **Help** menu has technical support, munual looking up and other options available.



Choose one in the dropdown menu or use the corresponding shortcut key combination to get information you need.

Register Activate: Click here to activate DriveClone 10 Workstation via Internet or email.

Change Serial Number: If the serial number activation times exceeded, please click here to change another serial number for activation.

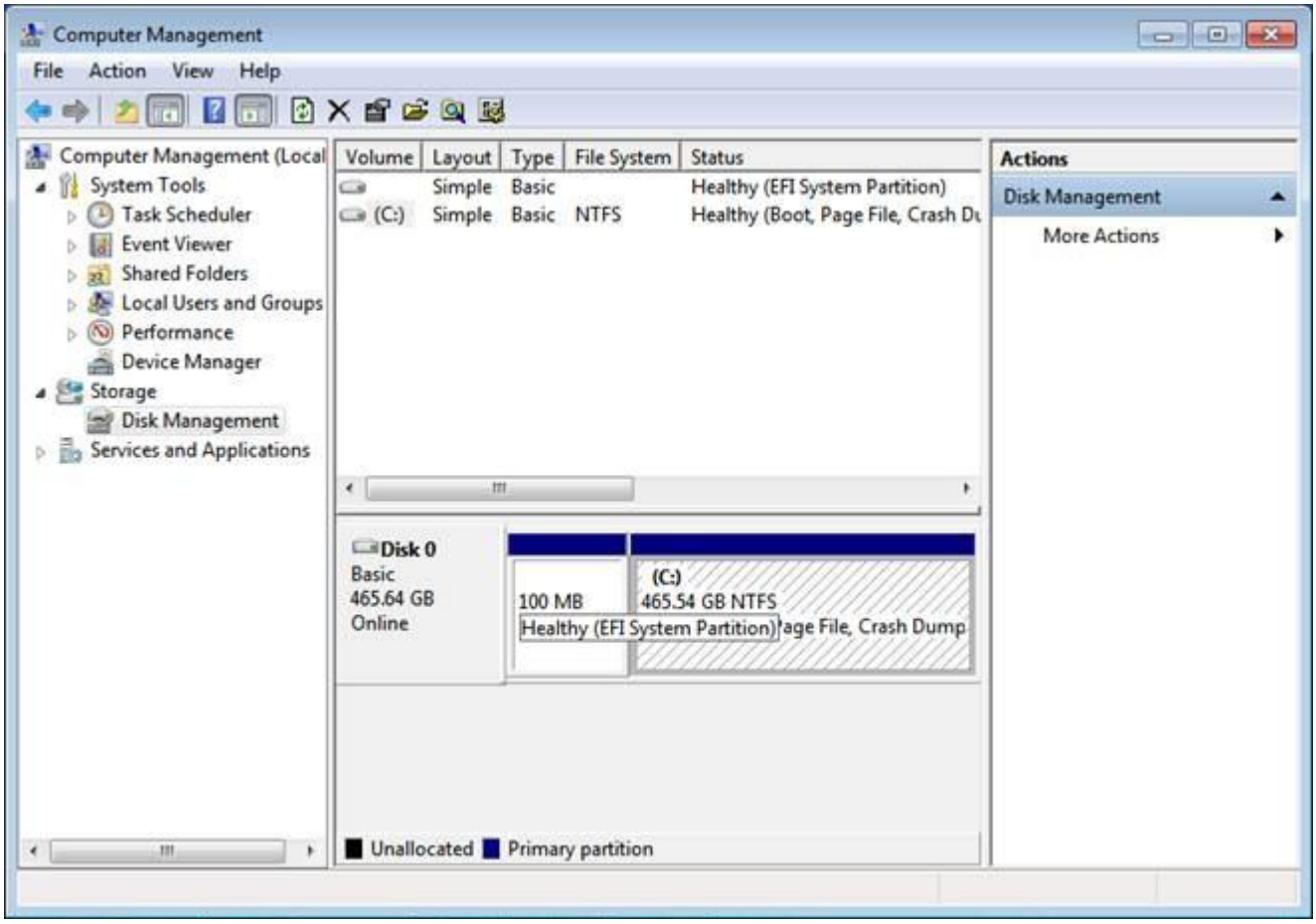
Chapter 4: Restore a UEFI-Based Computer

4.1 Introduction to UEFI

UEFI is short for Unified Extensible Firmware Interface. It's an advanced standard compared to legacy BIOS, such as it supports bootable GPT hard drive, larger capacity more than 2T, etc.

Since UEFI-based computers have bootable information written in their motherboards, you must set related hard drive information into the target computer after cloning. However, traditional BIOS-based computers don't need such step: you only need plug a cloned hard drive into a target computer and it should be immediately usable.

You can make use of Windows Disk Management tool to check if your computer is UEFI. This tool (the screenshot below) is available in every Windows.



If the type of hard drive where system partition resides is GPT, like above picture shows (EFI System Partition), your computer must be UEFI. But if it displays MBR, then your computer is traditional BIOS.

4.2 Set bootable hard drive for UEFI computer

To make a cloned hard drive bootable, you must set the UEFI-Based computer to UEFI mode or you can also set it in our Pre-OS environment.

1. Set bootable hard drive in EFI/UEFI mode

Different motherboard manufacturers have different flows for setting bootable hard drive. Please refer to your computer manual for details.

2. Set Bootable hard drive under our Pre-OS environment

1) Download Farstone bootable ISO from http://www.farstone.us/download/boot/TBR9-RM-ISO-64bitCPU.zip, and burn it into a DVD

2) Start your target computer with the DVD, and enter into Pre-OS environment

3) Select **Tools** tab and click **Set Bootable Hard Disk for UEFI Motherboard** icon. Then choose an UEFI-based hard drive in the dropdown menu to make it bootable, click **Next** to complete the steps.